

GII A RIVER BASIN

09447800 BONITA CREEK NEAR MORENCI, AZ

LOCATION--Lat 32° 57'20", long 109° 31'50", in SE_{1/4}NW_{1/4} sec. 36, T.5 S., R.27 E., Graham County, Hydrologic Unit 15040005, on left bank 2 mi upstream from intake of City of Safford water supply, 6.3 mi upstream from mouth, and 12.8 mi southwest of Morenci.

DRAINAGE AREA--302 mi².

PERIOD OF RECORD --Aug. 1981 to current year

GAGE—Water-stage recorder. Elevation of gage is 3,500 ft above sea level, from topographic map. Two crest-stage gages 440 ft upstream on right and left banks.

REMARKS - No estimated daily discharges. Records fair.

EXTREMES FOR PERIOD OF RECORD--Maximum discharge, 19,500 ft³/s Jan. 18, 1993, gage height, 16.5 ft, from slope-area measurement of peak flow; minimum daily, 0.66 ft³/s Aug. 31, 1988.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Dec. 20, 1972, 10,000 ft³/s, from slope-area measurement made by City of Safford at site about 2 mi downstream. Flood of June 27, 1981, 1,340 ft³/s, from slope-area measurement at present site, gage height, 5.6 ft, from floodmark.

EXTREMES FOR CURRENT YEAR--Peak discharges greater than base discharge of 300 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 16.....	1315	*6.6	*4.49

Minimum daily discharge, 16 ft³/s. July 7 and 8; July 19 and 20.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2002 BY WATER YEAR (WY)

MEAN	14.50	6.776	9.784	52.31	26.97	13.73	5.077	3.933	3.201	7.083	7.909	7.803
MAX	176	21.7	29.6	769	165	53.6	10.7	6.33	5.86	44.5	14.6	28.6
(WY)	1984	1995	1983	1993	1993	1995	1998	1993	1995	1999	2000	1996
MIN	1.52	1.86	4.93	4.43	3.83	2.74	2.00	2.10	1.32	1.93	2.39	2.38
(WY)	1992	1992	2002	2002	2001	2001	1991	1991	1982	2002	2002	2002

SUMMARY STATISTICS

FOR 2001 CALENDAR YEAR

FOR 2002 WATER YEAR

WATER YEARS 1982 - 2002

ANNUAL TOTAL	1274.3		1208.3			
ANNUAL MEAN		3.491		3.310		13.24
HIGHEST ANNUAL MEAN					83.7	1993
LOWEST ANNUAL MEAN					3.31	2002
HIGHEST DAILY MEAN	8.5	Aug 29	5.5	Dec 16	10200	Jan 19 1993
LOWEST DAILY MEAN	2.3	Jun 25	1.7	Jun 28	0.66	Aug 31 1988
ANNUAL SEVEN-DAY MINIMUM	2.3	Jun 25	1.7	Jun 26	0.76	Aug 26 1988
ANNUAL RUNOFF (AC-FT)	2530		2400		9590	
ANNUAL RUNOFF (CFSM)	0.012		0.011		0.044	
ANNUAL RUNOFF (INCHES)	0.16		0.15		0.60	
10 PERCENT EXCEEDS	5.2		4.6		9.2	
50 PERCENT EXCEEDS	3.1		3.5		4.6	
90 PERCENT EXCEEDS	2.4		2.0		2.5	